

06-Oct-04

## REPORT OF NAVIGATION CHANNELS

ER 1130-2-306

**COLUMBIA RIVER - OREGON & WASHINGTON**

REED ISLAND CHANNEL THROUGH MULTNOMAH FALLS TURN

Minimum depths channel  
entering from seaward

| Authorized Project<br>NAME OF CHART<br>Name of Channel<br>(Mileage) | Date<br>of<br>Survey  | Feet<br>Width | Miles<br>Length | Project<br>Depth | Left<br>Outside<br>Quarter<br>Feet | Mid-Channel<br>for half<br>project width<br>Feet | Right<br>Outside<br>Quarter<br>Feet |
|---|---|---------------|-----------------|------------------|------------------------------------|--|-------------------------------------|
|   | <b>PRESENTLY MAINTAINED AT 17 FEET</b>                                      |               |                 |                  |                                    |  |                                     |
|   | <i>Tomahawk Island Bar through Entrance to Bonneville maintained to 17'</i> |               |                 |                  |                                    |  |                                     |
|   |   |               |                 |                  |                                    |  |                                     |
| <b>REED ISLAND REACH</b>  | <b>27-Oct-03</b>  |               |                 |                  |                                    |  |                                     |
| Reed Island Channel<br>(125.3 - 127.3)                              |   | 300           | 2.1             | 27               | 23                                 | 23   | 22                                  |
| Tunnel Pt. Channel<br>(127.3 - 128.1)                               |   | 300           | 0.8             | 27               | 24                                 | 25   | 26                                  |
| Rooster Rock Channel<br>(128.1 - 128.9)                             |   | 300           | 0.8             | 27               | 26                                 | 23   | 25                                  |
| <b>CAPE HORN</b>  | <b>28-Oct-03</b>  |               |                 |                  |                                    |  |                                     |
| Rooster Rock Channel<br>(128.9 - 129.6)                             |   | 300           | 0.4             | 27               | 29                                 | 29   | 30                                  |
| Cape Horn Channel<br>(129.6 - 131.7)                                |   | 300           | 2.4             | 27               | 34                                 | 32   | 31                                  |
| Candiani Channel<br>(131.7 - 132.7)                                 |   | 300           | 1.0             | 27               | 16                                 | 38   | 36                                  |
| <b>FASHION REEF</b>   | <b>29-Oct-03</b>  |               |                 |                  |                                    |  |                                     |
| Fashion Reef Lwr. Rge.<br>(132.7 - 135..1)                          |   | 300           | 2.2             | 27               | 12                                 | 19   | 21                                  |
| Multnomah Falls Rge.<br>(135.1 - 136.2)                             |   | 300           | 1.3             | 27               | 13                                 | 23   | 16                                  |
| Multnomah Falls Turn<br>(136.2 - 136.4)                             |   | 300           | 0.2             | 27               | 12                                 | 22   | 25                                  |
|   |   |               |                 |                  |                                    |  |                                     |
|   |   |               |                 |                  |                                    |  |                                     |

ENG Form 4021-R (Nov 1990)

Reference is Navigation Chart No. 18531.

Note: All Depths at Columbia River Datum.

| COLUMBIA RIVER CHANNEL DEPTHS<br>TOMAHAWK BAR TO BONNEVILLE LOCKS<br>TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF <span style="float: right;">06-Oct-04</span>  |                            |                              |                             |                   |                    |                           |                 |
|---|----------------------------|------------------------------|-----------------------------|-------------------|--------------------|---------------------------|-----------------|
| CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE   |                            |                              |                             |                   | Project Dimensions |                           |                 |
| Name of Channel   | Left<br>Outside<br>Quarter | Middle<br>Half of<br>Channel | Right<br>Outside<br>Quarter | Date of<br>Survey | Width<br>(feet)    | Length<br>STAT<br>(Miles) | Depth<br>(feet) |
| Tomahawk Bar  | 18                         | 18                           | 17                          | 10-Nov-03         | 300                | 3.7                       | 27              |
| Airport Bar   | 18                         | 18                           | 18                          | 18-Mar-04         | 300                | 2.8                       | 27              |
| Government Island Lower Range   | 16                         | 17                           | 17                          | 18-Mar-04         | 300                | 1.1                       | 27              |
| Government Island Middle Range  | 14                         | 18                           | 16                          | 22-Mar-04         | 300                | 1.6                       | 27              |
| Fisher Quarry Channel Range   | 26                         | 24                           | 21                          | 22-Mar-04         | 300                | 1.0                       | 27              |
| Government Island Range   | 25                         | 30                           | 25                          | 22-Mar-04         | 300                | 1.1                       | 27              |
| Government Island Upper Range   | 17                         | 18                           | 21                          | 23-Mar-04         | 300                | 0.8                       | 27              |
| Lady Island Range   | 18                         | 21                           | 23                          | 23-Mar-04         | 300                | 2.1                       | 27              |
| Lady Island Channel and Upper Rge   | 28                         | 28                           | 19                          | 23-Mar-04         | 300                | 0.9                       | 27              |
| Washougal Lower Range   | 21                         | 28                           | 28                          | 24-Mar-04         | 300                | 1.5                       | 27              |
| Washougal Upper Range   | 19                         | 26                           | 30                          | 24-Mar-04         | 300                | 1.1                       | 27              |
| Gary Island Range   | 16                         | 15                           | 15                          | 24-Mar-04         | 300                | 0.9                       | 27              |
| Reed Island Range   | 18                         | 15                           | 14                          | 24-Mar-04         | 300                | 2.2                       | 27              |
| Tunnel Point Channel  | 24                         | 25                           | 26                          | 27-Oct-03         | 300                | 0.8                       | 27              |
| Rooster Rock Channel  | 26                         | 23                           | 25                          | 28-Oct-03         | 600                | 1.2                       | 27              |
| Cape Horn Channel   | 34                         | 32                           | 31                          | 28-Oct-03         | 300                | 2.4                       | 27              |
| Candiana Channel  | 16                         | 38                           | 36                          | 28-Oct-03         | 300                | 1.0                       | 27              |
| Fashion Reef Lower Range  | 12                         | 19                           | 21                          | 29-Oct-03         | 300                | 2.2                       | 27              |
| Multnomah Falls Bar Range   | 13                         | 23                           | 16                          | 29-Oct-03         | 300                | 1.3                       | 27              |
| Multnomah Falls Turn  | 12                         | 20                           | 21                          | 03-Nov-03         | 600                | 0.8                       | 27              |
| Multnomah Falls Upper Range   | 18                         | 21                           | 24                          | 03-Nov-03         | 300                | 3.2                       | 27              |
| McGowans Channel  | 39                         | 34                           | 25                          | 04-Nov-03         | 300                | 1.1                       | 27              |
| Warrendale Lower Range  | 20                         | 22                           | 23                          | 04-Nov-03         | 300                | 0.9                       | 27              |
| Warrendale Upper Range  | 21                         | 28                           | 22                          | 04-Nov-03         | 300                | 0.8                       | 27              |
| Hamilton Island Reach   | 21                         | 30                           | 27                          | 04-Nov-03         | 300                | 0.9                       | 27              |
| Entrance to Bonneville Locks  | 22                         | 22                           | 22                          | 01-Mar-00         | 300                | 1.2                       | 27              |
| * For Controlling Depth Information, consult the Local Notice to Mariners and/or the following Portland District US Army<br>Corps of Engineers website: <a href="https://www.nwp.usace.army.mil/op/n/chpubs.htm#pubs-status-reports">https://www.nwp.usace.army.mil/op/n/chpubs.htm#pubs-status-reports</a><br>(Please note: Netscape Navigator users - use version 7.0 or later, |                            |                              |                             |                   |                    |                           |                 |

Reduce size to **64%** of current size to print out to a size that matches tab boxes currently on NOAA charts